10/015,828

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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	4	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS	5	FEB 05	German (DE) application and patent publication number format changes
NEWS	6	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 03	FRANCEPAT now available on STN
NEWS	9	MAR 29	Pharmaceutical Substances (PS) now available on STN
NEWS	10	MAR 29	WPIFV now available on STN
NEWS	11	MAR 29	No connect hour charges in WPIFV until May 1, 2004
NEWS	12	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS	13	APR 26	PROMT: New display field available
NEWS	14	APR 26	FIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS	15	APR 26	LITALERT now available on STN
NEWS	16	APR 27	NLDB: New search and display fields available

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:12:07 ON 27 APR 2004

=> FIL STNGUIDE
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 0.21 0.21

FILE 'STNGUIDE' ENTERED AT 17:12:11 ON 27 APR 2004
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 23, 2004 (20040423/UP).

=> FIL HOME

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	0.27

FILE 'HOME' ENTERED AT 17:12:14 ON 27 APR 2004

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.48

FILE 'REGISTRY' ENTERED AT 17:12:24 ON 27 APR 2004
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6
DICTIONARY FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

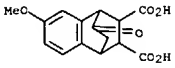
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> s 29073-46-9/rn
L1 1 29073-46-9/RN

=> d l1

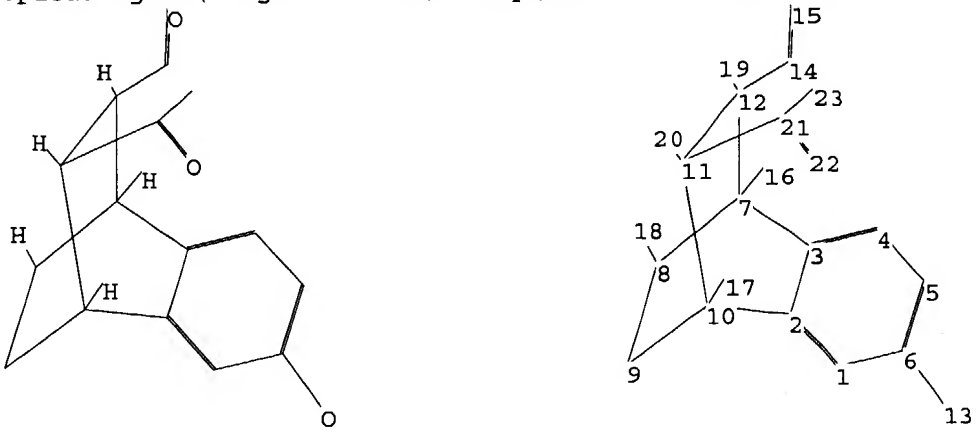
L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN **29073-46-9** REGISTRY
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1α,2β,3α,4.a
lpha.-tetrahydro-6-methoxy-9-oxo-, (±)- (8CI) (CA INDEX NAME)
MF C15 H14 O6
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\10015828.str

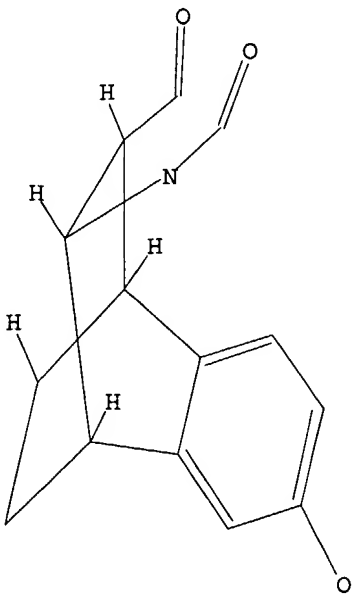


chain nodes :
13 14 15 16 17 18 19 20 21 22 23
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
6-13 7-16 8-18 10-17 11-20 11-21 12-14 12-19 14-15 21-22 21-23
ring bonds :
1-2 1-6 2-3 2-10 3-4 3-7 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
2-10 3-7 6-13 7-8 7-12 8-9 9-10 10-11 11-12 14-15 21-22
exact bonds :
7-16 8-18 10-17 11-20 11-21 12-14 12-19 21-23
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS

L2 STRUCTURE UPLOADED

=> d query
L2 STR



Structure attributes must be viewed using STN Express query preparation.

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=> s l2
SAMPLE SEARCH INITIATED 17:27:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     165 TO ITERATE

100.0% PROCESSED     165 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         2530 TO     4070
PROJECTED ANSWERS:               0 TO        0

L3             0 SEA SSS SAM L2

=> s l2 full
FULL SEARCH INITIATED 17:27:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   3373 TO ITERATE

100.0% PROCESSED    3373 ITERATIONS                                19 ANSWERS
SEARCH TIME: 00.00.01

L4            19 SEA SSS FUL L2

=> fil caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   167.69     168.17

FILE 'CAPLUS' ENTERED AT 17:27:42 ON 27 APR 2004
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
```

FILE COVERS 1907 - 27 Apr 2004 VOL 140 ISS 18
FILE LAST UPDATED: 26 Apr 2004 (20040426/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l4
L5 2 L4

=> d l5 1-2 abs ibib hitstr

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 = NR8COR9, NR8CO2R9, NR8CON(R9)2, COR9, CO2R9, CON(R9)2; R2 = OR9, N(R9)2; R3 = H, halo, OH, protected-OH, NH2, protected-NH2, alkyl, haloalkyl; R4-5 = R9, OR9, N(R9)2, N=NR9, R4, R5 may together form =O, =C(R8)2, NR10 or R4-5 together with the carbon to which they are both attached form spiro carbocyclic or heterocyclic ring; R6 = H, inorg. groups having 1-8 atoms selected from boron, sulfur, phosphorous, silicon, hydrogen, and organic groups having 1-20 carbons, optionally containing 1-4 heteroatoms selected from nitrogen, oxygen and silicon; R7 = halo, OH, protected-OH, NH2, protected-NH2, alkyl, haloalkyl; R8 = H, alkyl, aryl, heteroalkyl; R9 = H, organic groups having 1-30 carbons with the provision that two R9 groups both joined to common atom may be joined together so as to form ring with the common atom; R10 = R9, OR9, N(R9)2, NHCOR9; NHCOOR9, NHCSNHR9; n is 0-2; with the proviso that when R6 = H, R4-5 together form =O and R1 = CO2R2, then R2 is not OCH3] were prepared For instance, 2,7-dihydroxynaphthalene was reacted with maleic anhydride (1,2-dichlorobenzene/PhMe, 110°C, 3 days) to afford the bicyclobenzocyclobutane adduct (16% yield). This anhydride was reacted with 2-(trimethylsilyl)ethanol affording a 1:1 mixture of regio isomers which was isolated as the dicyclohexylamine (DCA) salt (93% yield). The DCA salt was treated with 2M HCl permitting the isolation of the free regioisomers which were then converted to the isopropylamine salts and crystallized affording the desired regioisomer as a 87/16 mixture Further crystallization and liberation of the acid ester afforded II as a white solid in 30% overall yield with 98.2% purity by HPLC. Also described is a process of preparing a combinatorial library of I from III [linker = e.g., O-CH2-C6H5-O-CH2CONH; SS = solid support; PG1 = protecting group, e.g., O-allyl; PG2 = protecting group, e.g., OCH2CH2TMS]. The method involves removal of PG1 (PG1 = O-allyl, (Ph3)4Pd/N-methylaniline) in the presence of PG2 (PG2 = OCH2CH2TMS, TBAF) and subsequent amidation with a plurality of amines; removal of PG2 and amidation with a plurality of amines and removal of the linker (TFAaq) to liberate the corresponding bis(amides). A library of 1152 bis(amides) were prepared in this manner. Compds. of the invention were evaluated for inhibition of apoptosis and NFκB. I are useful for inhibiting cellular events involving TNF-α and IL-8, and in the treatment of inflammation events in general.

ACCESSION NUMBER: 2002:504796 CAPLUS
DOCUMENT NUMBER: 137:78768
TITLE: Preparation and use of benzobicyclobutanes as inhibitors of TNF-α, IL-8 and for treating inflammation
INVENTOR(S): Jackson, Randy W.; Darwish, Ihab; Baughman, Ted A.; Howbert, J. Jeffry

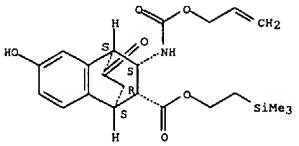
L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
PATENT ASSIGNEE(S): Celltech R & D, Inc., USA
SOURCE: PCT Int. Appl., 200 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051851	A2	20020704	WO 2001-US47993	20011211
WO 2002051851	A3	20030123		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003069305 A1 20030410 US 2001-15828 20011211
PRIORITY APPLN. INFO.: US 2000-257532P P 20001222
OTHER SOURCE(S): MARPAT 137:78768
IT **439798-63-7P 439798-84-2P**
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug; preparation of benzobicyclobutanes derived from Diels-Alder adduct of 2,7-dihydroxynaphthalene and maleic anhydride as inhibitors of TNF-α, IL-8)
RN 439798-63-7 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-3-[[(2-propenyloxy)carbonyl]amino]-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3R,4R)-rel- (9CI) (CA INDEX NAME)

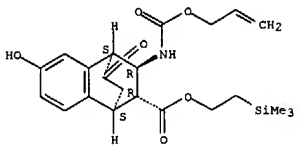
Relative stereochemistry.



RN 439798-84-2 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-3-[[(2-propenyloxy)carbonyl]amino]-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

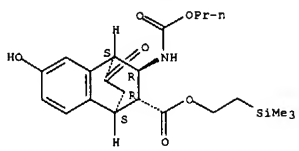
Relative stereochemistry.

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



IT **439798-80-8P 439798-81-9P 439798-82-0P**
439798-83-1P 439798-85-3P 439798-86-4P
439798-87-5P 439798-88-6P 439798-89-7P
439798-90-0P 439798-91-1P 439799-36-7P
439799-37-8P 439799-80-1P 439800-25-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug; preparation of benzobicyclobutanes derived from Diels-Alder adduct of 2,7-dihydroxynaphthalene and maleic anhydride as inhibitors of TNF-α, IL-8)
RN 439798-80-8 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-3-[(propoxycarbonyl)amino]-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

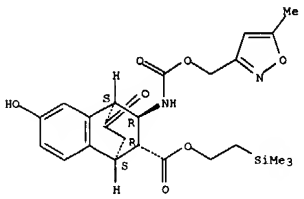
Relative stereochemistry.



RN 439798-81-9 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-3-[[[(5-methyl-3-isoxazolyl)methoxy]carbonyl]amino]-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

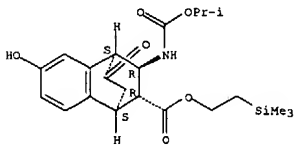
Relative stereochemistry.

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



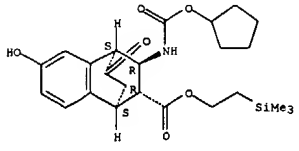
RN 439798-82-0 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-3-[[(1-methylethoxy)carbonyl]amino]-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439798-83-1 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 3-[[[(cyclopentyloxy)carbonyl]amino]-1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

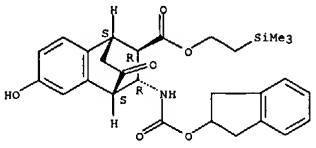
Relative stereochemistry.



RN 439798-85-3 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 3-[[[(2,3-dihydro-1H-inden-2-yl)oxy]carbonyl]amino]-1,2,3,4-tetrahydro-6-hydroxy-9-oxo-,

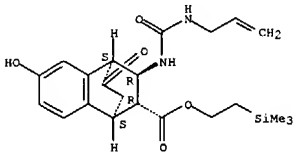
L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



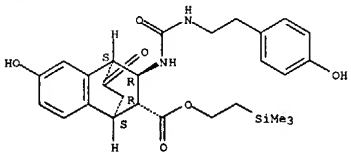
RN 439798-86-4 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-3-[[(2-propenylamino)carbonyl]amino]-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



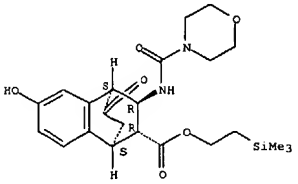
RN 439798-87-5 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-3-[[[[2-(4-hydroxyphenyl)ethyl]amino]carbonyl]amino]-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



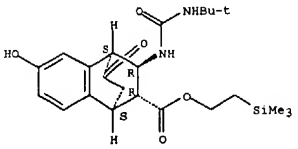
RN 439798-88-6 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-3-[(4-morpholinylcarbonyl)amino]-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439798-89-7 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 3-[[[(1,1-dimethylethyl)amino]carbonyl]amino]-1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

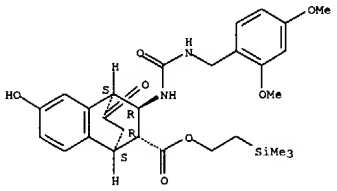
Relative stereochemistry.



RN 439798-90-0 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 3-[[[[(2,4-dimethoxyphenyl)methyl]amino]carbonyl]amino]-1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

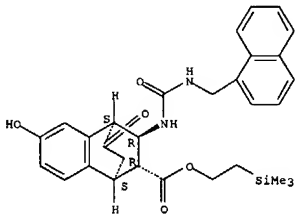
Relative stereochemistry.

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



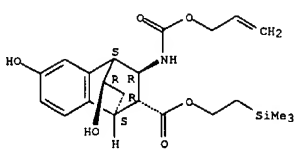
RN 439798-91-1 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-3-[[[(1-naphthalenylmethyl)amino]carbonyl]amino]-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439799-36-7 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6,9-dihydroxy-3-[[(2-propenyloxy)carbonyl]amino]-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R,9S)-rel- (9CI) (CA INDEX NAME)

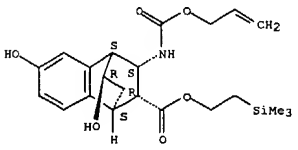
Relative stereochemistry.



L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 439799-37-8 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6,9-dihydroxy-3-[[(2-propenyloxy)carbonyl]amino]-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3R,4R,9S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439799-80-1 CAPLUS
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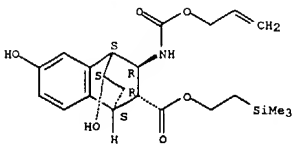
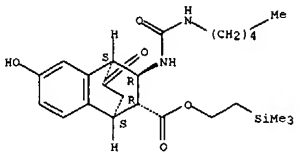
Relative stereochemistry.



RN 439800-25-6 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-3-[[(pentylamino)carbonyl]amino]-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

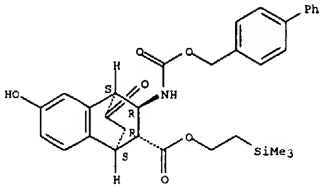
AB A novel series of TNF-α inhibitors based on a benzobicyclooctane scaffold was reported. The compds. displayed good potency in inhibiting TNF-α induced apoptosis and NFκB activation. Addnl., they were selective for TNF-α as they did not inhibit apoptosis induced by soluble Fas ligand. The compds. described here can act as leads for future medicinal chemical efforts and may also be useful tools for elucidating the TNF-α signaling pathway.

ACCESSION NUMBER: 2002:211239 CAPLUS
DOCUMENT NUMBER: 137:288467
TITLE: Benzobicyclooctanes as novel inhibitors of TNF-α signaling
AUTHOR(S): Jackson, Randy W.; Gelinas, Richard; Baughman, Ted A.; Cox, Thomas; Howbert, J. Jeffry; Kucera, Kristin A.; Latham, John A.; Ramsdell, Fred; Singh, Devinder; Darwish, Ihab S.
CORPORATE SOURCE: Department of Chemical Genomics, Celltech R&D, Inc., Bothell, WA, 98021, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2002), 12(7), 1093-1097
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

IT **468086-82-0P 468086-83-1P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(benzobicyclooctanes as novel inhibitors of TNF-α signaling)

RN 468086-82-0 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 3-[[[[1,1'-biphenyl]-4-ylmethoxy)carbonyl]amino]-1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

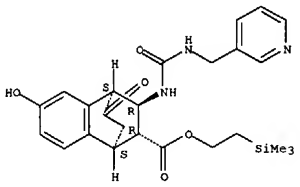
Relative stereochemistry.



RN 468086-83-1 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-3-[[[(3-pyridinylmethyl)amino]carbonyl]amino]-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FULL ESTIMATED COST	12.58	180.75

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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STRUCTURE FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6
DICTIONARY FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6

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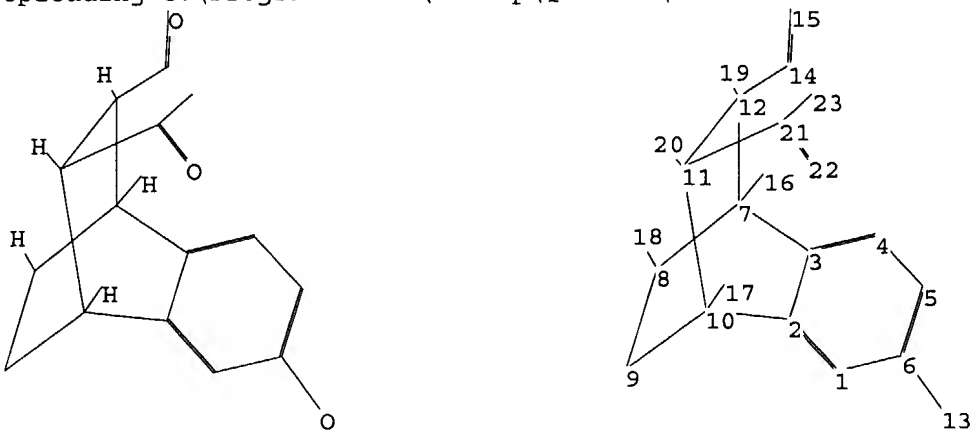

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ring bonds :
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exact/norm bonds :
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exact bonds :
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normalized bonds :
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Match level :
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=> d query
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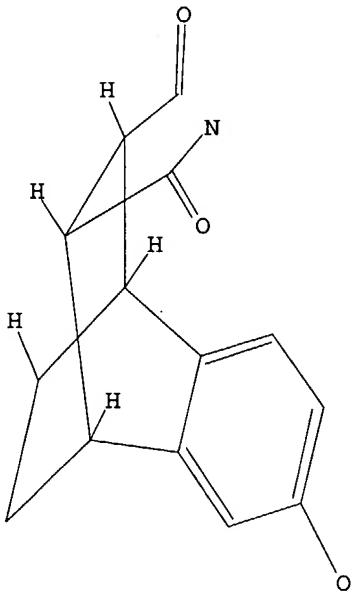

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 60 TO ITERATE

100.0% PROCESSED 60 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
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SEARCH TIME: 00.00.01

L8             7 SEA SSS FUL L6

=> fil caplus
COST IN U.S. DOLLARS                                 SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                       0.00      -1.39

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FILE COVERS 1907 - 27 Apr 2004  VOL 140 ISS 18
FILE LAST UPDATED: 26 Apr 2004  (20040426/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> s l8
L9             2 L8

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L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 = NR8COR9, NR8CO2R9, NR8CON(R9)2, COR9, CO2R9, CON(R9)2; R2 = OR9, N(R9)2; R3 = H, halo, OH, protected-OH, NH2, protected-NH2, alkyl, haloalkyl; R4-5 = R9, OR9, N(R9)2, N=NR9, R4, R5 may together form =O, =C(R8)2, NR10 or R4-5 together with the carbon to which they are both attached form spiro carbocyclic or heterocyclic ring; R6 = H, inorg. groups having 1-8 atoms selected from boron, sulfur, phosphorous, silicon, hydrogen, and organic groups having 1-20 carbons, optionally containing 1-4 heteroatoms selected from nitrogen, oxygen and silicon; R7 = halo, OH, protected-OH, NH2, protected-NH2, alkyl, haloalkyl; R8 = H, alkyl, aryl, heteroalkyl; R9 = H, organic groups having 1-30 carbons with the provision that two R9 groups both joined to common atom may be joined together so as to form ring with the common atom; R10 = R9, OR9, N(R9)2, NHCOR9; NHCOOR9, NHCSNHR9; n is 0-2; with the proviso that when R6 = H, R4-5 together form =O and R1 = CO2R2, then R2 is not OCH3] were prepared For instance, 2,7-dihydroxynaphthalene was reacted with maleic anhydride (1,2-dichlorobenzene/PhMe, 110°C, 3 days) to afford the bicyclobenzocyclobutane adduct (16% yield). This anhydride was reacted with 2-(trimethylsilyl)ethanol affording a 1:1 mixture of regio isomers which was isolated as the dicyclohexylamine (DCA) salt (93% yield). The DCA salt was treated with 2M HCl permitting the isolation of the free regioisomers which were then converted to the isopropylamine salts and crystallized affording the desired regioisomer as a 87/16 mixture Further crystallization and liberation of the acid ester afforded II as a white solid in 30% overall yield with 98.2% purity by HPLC. Also described is a process of preparing a combinatorial library of I from III [linker = e.g., O-CH2-C6H5-O-CH2CONH; SS = solid support; PG1 = protecting group, e.g., O-allyl; PG2 = protecting group, e.g., OCH2CH2TMS]. The method involves removal of PG1 (PG1 = O-allyl, (Ph3)4Pd/N-methylaniline) in the presence of PG2 (PG2 = OCH2CH2TMS, TBAF) and subsequent amidation with a plurality of amines; removal of PG2 and amidation with a plurality of amines and removal of the linker (TFAaq) to liberate the corresponding bis(amides). A library of 1152 bis(amides) were prepared in this manner. Compds. of the invention were evaluated for inhibition of apoptosis and NFκB. I are useful for inhibiting cellular events involving TNF-α and IL-8, and in the treatment of inflammation events in general.

ACCESSION NUMBER: 2002:504796 CAPLUS
DOCUMENT NUMBER: 137:78768
TITLE: Preparation and use of benzobicyclobutanes as inhibitors of TNF-α, IL-8 and for treating inflammation
INVENTOR(S): Jackson, Randy W.; Darwish, Ihab; Baughman, Ted A.; Howbert, J. Jeffry

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
PATENT ASSIGNEE(S): Celltech R & D, Inc., USA
SOURCE: PCT Int. Appl., 200 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

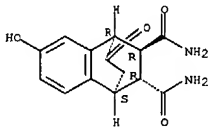
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051851	A2	20020704	WO 2001-US47993	20011211
WO 2002051851	A3	20030123		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003069305 A1 20030410 US 2001-15828 20011211
PRIORITY APPLN. INFO.: US 2000-257532P P 20001222
OTHER SOURCE(S): MARPAT 137:78768

IT **439799-73-2DP**, combinatorial library of amide derivs.
RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)
(drug; preparation of benzobicyclobutanes derived from Diels-Alder adduct of 2,7-dihydroxynaphthalene and maleic anhydride as inhibitors of TNF-α, IL-8)
RN 439799-73-2 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxamide, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



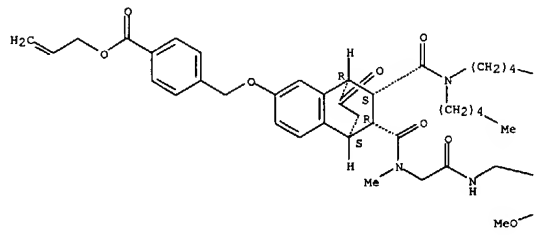
IT **439798-66-0P 439798-67-1P 439798-79-5P**
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug; preparation of benzobicyclobutanes derived from Diels-Alder adduct of 2,7-dihydroxynaphthalene and maleic anhydride as inhibitors of TNF-α, IL-8)
RN 439798-66-0 CAPLUS
CN Benzoic acid, 4-[[[(1R,2S,3R,4S)-3-[(dipentylamino)carbonyl]-1,2,3,4-

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

tetrahydro-2-[[methyl[2-oxo-2-[[(2,4,6-trimethoxyphenyl)methyl]amino]ethyl]amino]carbonyl]-9-oxo-1,4-ethanonaphthalen-6-yl]oxy]methyl]-, 2-propenyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



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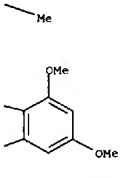
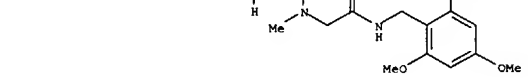


RN 439798-67-1 CAPLUS
CN Benzoic acid, 4-[[[(1R,2S,3R,4S)-3-[(dipentylamino)carbonyl]-1,2,3,4-

tetrahydro-2-[[methyl[2-oxo-2-[[(2,4,6-trimethoxyphenyl)methyl]amino]ethyl]amino]carbonyl]-9-oxo-1,4-ethanonaphthalen-6-yl]oxy]methyl]-, rel- (9CI) (CA INDEX NAME)

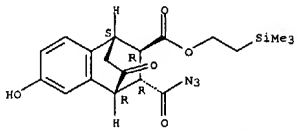
Relative stereochemistry.

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 439798-79-5 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 3-(azidocarbonyl)-1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

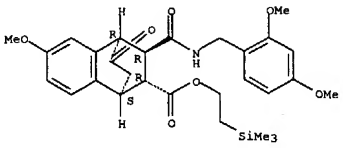


IT **439798-70-6P 439798-71-7P 439919-18-3P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug; preparation of benzobicyclobutanes derived from Diels-Alder adduct of 2,7-dihydroxynaphthalene and maleic anhydride as inhibitors of TNF-α, IL-8)
RN 439798-70-6 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 3-[[[(2,4-

dimethoxyphenyl)methyl]amino]carbonyl]-1,2,3,4-tetrahydro-6-methoxy-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

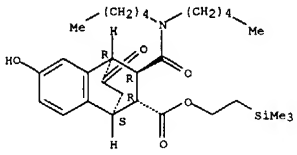
Relative stereochemistry.

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 439798-71-7 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 3-[(dipentylamino)carbonyl]-1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439919-18-3 CAPLUS
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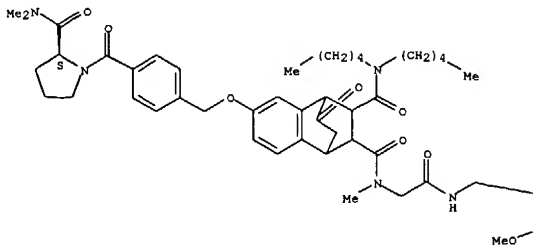
Absolute stereochemistry.

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

PAGE 1-A



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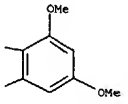
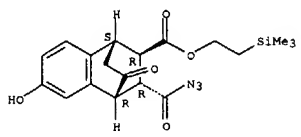


L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AB A novel series of TNF-α inhibitors based on a benzobicyclooctane scaffold was reported. The compds. displayed good potency in inhibiting TNF-α induced apoptosis and NFκB activation. Addnl., they were selective for TNF-α as they did not inhibit apoptosis induced by soluble Fas ligand. The compds. described here can act as leads for future medicinal chemical efforts and may also be useful tools for elucidating the TNF-α signaling pathway.

ACCESSION NUMBER: 2002:211239 CAPLUS
DOCUMENT NUMBER: 137:288467
TITLE: Benzobicyclooctanes as novel inhibitors of TNF-α signaling
AUTHOR(S): Jackson, Randy W.; Gelinas, Richard; Baughman, Ted A.; Cox, Thomas; Howbert, J. Jeffry; Kucera, Kristin A.; Latham, John A.; Ramsdell, Fred; Singh, Devinder; Darwish, Ihab S.
CORPORATE SOURCE: Department of Chemical Genomics, Celltech R&D, Inc., Bothell, WA, 98021, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2002), 12(7), 1093-1097
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **439798-79-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(benzobicyclooctanes as novel inhibitors of TNF-α signaling)
RN 439798-79-5 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 3-(azidocarbonyl)-1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



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FULL ESTIMATED COST	9.95	346.54

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.39	-2.78

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STRUCTURE FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6
DICTIONARY FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6

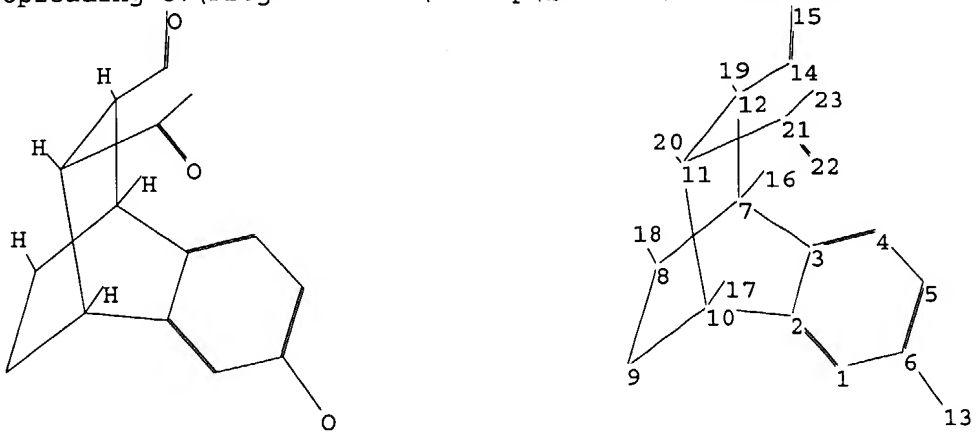
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10015828.str



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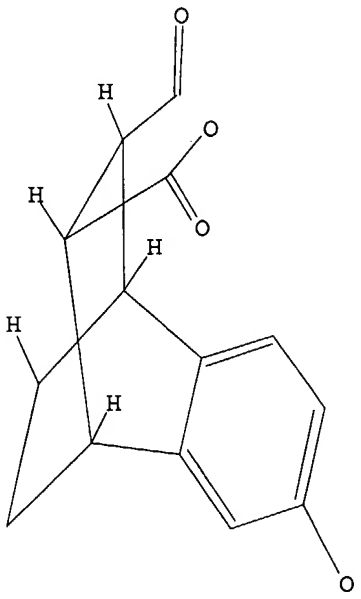
13 14 15 16 17 18 19 20 21 22 23
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
6-13 7-16 8-18 10-17 11-20 11-21 12-14 12-19 14-15 21-22 21-23
ring bonds :
1-2 1-6 2-3 2-10 3-4 3-7 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :
2-10 3-7 6-13 7-8 7-12 8-9 9-10 10-11 11-12 14-15 21-22
exact bonds :
7-16 8-18 10-17 11-20 11-21 12-14 12-19 21-23
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS

L10 STRUCTURE UPLOADED

=> d query
L10 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l10
SAMPLE SEARCH INITIATED 17:33:53 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 415 TO ITERATE

100.0% PROCESSED 415 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 7078 TO 9522
PROJECTED ANSWERS: 7 TO 298

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L11             7 SEA SSS SAM L10

=> s l10 full
FULL SEARCH INITIATED 17:34:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    8193 TO ITERATE

100.0% PROCESSED    8193 ITERATIONS                              122 ANSWERS
SEARCH TIME: 00.00.01

L12           122 SEA SSS FUL L10

=> fil caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   155.42     501.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -2.78

FILE 'CAPLUS' ENTERED AT 17:34:05 ON 27 APR 2004
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FILE COVERS 1907 - 27 Apr 2004  VOL 140 ISS 18
FILE LAST UPDATED: 26 Apr 2004  (20040426/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> s l12
L13             5 L12

=> d l13 1-5 abs ibib hitstr
```

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 = NR8COR9, NR8CO2R9, NR8CON(R9)2, COR9, CO2R9, CON(R9)2; R2 = OR9, N(R9)2; R3 = H, halo, OH, protected-OH, NH2, protected-NH2, alkyl, haloalkyl; R4-5 = R9, OR9, N(R9)2, N=NR9, R4, R5 may together form =O, =C(R8)2, NR10 or R4-5 together with the carbon to which they are both attached form spiro carbocyclic or heterocyclic ring; R6 = H, inorg. groups having 1-8 atoms selected from boron, sulfur, phosphorous, silicon, hydrogen, and organic groups having 1-20 carbons, optionally containing 1-4 heteroatoms selected from nitrogen, oxygen and silicon; R7 = halo, OH, protected-OH, NH2, protected-NH2, alkyl, haloalkyl; R8 = H, alkyl, aryl, heteroalkyl; R9 = H, organic groups having 1-30 carbons with the provision that two R9 groups both joined to common atom may be joined together so as to form ring with the common atom; R10 = R9, OR9, N(R9)2, NHCOR9; NHCOOR9, NHCSNHR9; n is 0-2; with the proviso that when R6 = H, R4-5 together form =O and R1 = CO2R2, then R2 is not OCH3] were prepared For instance, 2,7-dihydroxynaphthalene was reacted with maleic anhydride (1,2-dichlorobenzene/PhMe, 110°C, 3 days) to afford the bicyclobenzocyclobutane adduct (16% yield). This anhydride was reacted with 2-(trimethylsilyl)ethanol affording a 1:1 mixture of regio isomers which was isolated as the dicyclohexylamine (DCA) salt (93% yield). The DCA salt was treated with 2M HCl permitting the isolation of the free regioisomers which were then converted to the isopropylamine salts and crystallized affording the desired regioisomer as a 87/16 mixture Further crystallization and liberation of the acid ester afforded II as a white solid in 30% overall yield with 98.2% purity by HPLC. Also described is a process of preparing a combinatorial library of I from III [linker = e.g., O-CH2-C6H5-O-CH2CONH; SS = solid support; PG1 = protecting group, e.g., O-allyl; PG2 = protecting group, e.g., OCH2CH2TMS]. The method involves removal of PG1 (PG1 = O-allyl, (Ph3)4Pd/N-methylaniline) in the presence of PG2 (PG2 = OCH2CH2TMS, TBAF) and subsequent amidation with a plurality of amines; removal of PG2 and amidation with a plurality of amines and removal of the linker (TFAaq) to liberate the corresponding bis(amides). A library of 1152 bis(amides) were prepared in this manner. Compds. of the invention were evaluated for inhibition of apoptosis and NFκB. I are useful for inhibiting cellular events involving TNF-α and IL-8, and in the treatment of inflammation events in general.

ACCESSION NUMBER: 2002:504796 CAPLUS
DOCUMENT NUMBER: 137:78768
TITLE: Preparation and use of benzobicyclobutanes as inhibitors of TNF-α, IL-8 and for treating inflammation
INVENTOR(S): Jackson, Randy W.; Darwish, Ihab; Baughman, Ted A.; Howbert, J. Jeffry

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
PATENT ASSIGNEE(S): Celltech R & D, Inc., USA
SOURCE: PCT Int. Appl., 200 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

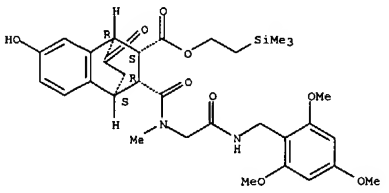
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051851	A2	20020704	WO 2001-US47993	20011211
WO 2002051851	A3	20030123		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003069305 A1 20030410 US 2001-15828 20011211
PRIORITY APPLN. INFO.: US 2000-257532P P 20001222
OTHER SOURCE(S): MARPAT 137:78768
IT **439798-64-8P 439798-65-9P 439798-68-2P 439798-72-8P 439798-78-4P 439798-92-2P 439799-40-3P 439799-41-4P 439799-45-8P 439799-84-5P 439799-86-7P 439799-90-3P**
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug; preparation of benzobicyclobutanes derived from Diels-Alder adduct of 2,7-dihydroxynaphthalene and maleic anhydride as inhibitors of TNF-α, IL-8)

RN 439798-64-8 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-7-hydroxy-3-[[methyl[2-oxo-2-[[(2,4,6-trimethoxyphenyl)methyl]amino]ethyl]amino]carbonyl]-10-oxo-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3R,4S)-rel- (9CI) (CA INDEX NAME)

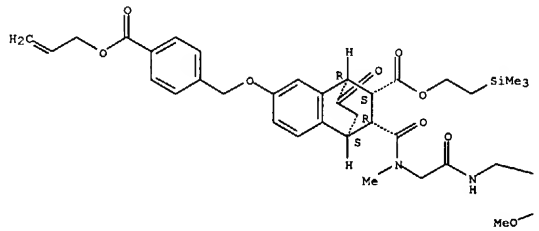
Relative stereochemistry.



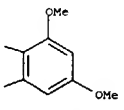
L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
RN 439798-65-9 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-3-[[methyl[2-oxo-2-[[(2,4,6-trimethoxyphenyl)methyl]amino]ethyl]amino]carbonyl]-10-oxo-7-[[4-[(2-propenyloxy)carbonyl]phenyl]methoxy]-, 2-(trimethylsilyl)ethyl ester, (1R,2S,3R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



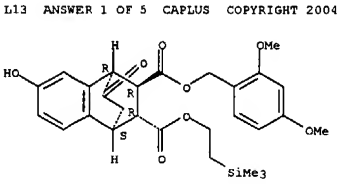
PAGE 1-B



RN 439798-68-2 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 3-[(2,4-dimethoxyphenyl)methyl] 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

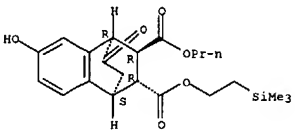
Relative stereochemistry.

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



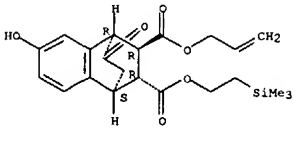
RN 439798-72-8 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



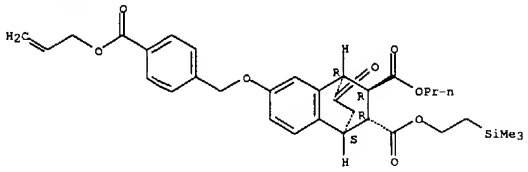
RN 439798-78-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 3-(2-propenyl) 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



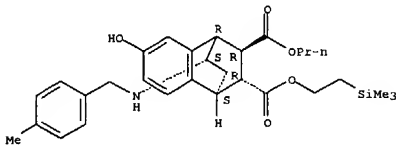
RN 439798-92-2 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-9-oxo-6-[[4-[(2-propenyloxy)carbonyl]phenyl]methoxy]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



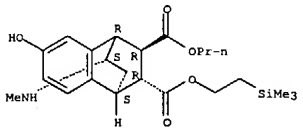
RN 439799-40-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-[[(4-methylphenyl)methyl]amino]-, 3-propyl 2-[2-(trimethylsilyl)ethyl]
ester, (1R,2S,3S,4S,9R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



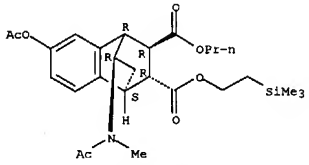
RN 439799-41-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-(methylamino)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S,9R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439799-45-8 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-(acetylmethylamino)-6-
(acetyloxy)-1,2,3,4-tetrahydro-, 3-propyl 2-[2-(trimethylsilyl)ethyl]
ester, (1R,2S,3S,4S,9R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT **364778-16-5P 439798-61-5P 439798-62-6P**
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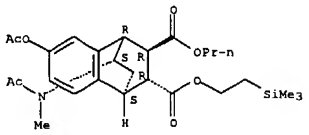
439800-27-8P 439800-28-9P 439919-19-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(drug; preparation of benzobicyclobutanes derived from Diels-Alder
adduct of
2,7-dihydroxynaphthalene and maleic anhydride as inhibitors of
TNF-α, IL-8)

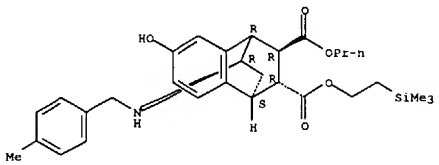
RN 364778-16-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-[2-(1,1-dimethylethoxy)-2-
oxoethoxy]-1,2,3,4-tetrahydro-9-oxo-, 3-propyl
2-[2-(trimethylsilyl)ethyl]
ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



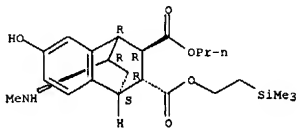
RN 439799-84-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-[[(4-methylphenyl)methyl]amino]-, 3-propyl 2-[2-(trimethylsilyl)ethyl]
ester, (1R,2S,3S,4S,9S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



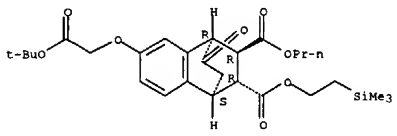
RN 439799-86-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-(methylamino)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S,9S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



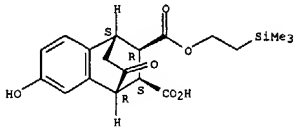
RN 439799-90-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-(acetylmethylamino)-6-
(acetyloxy)-1,2,3,4-tetrahydro-, 3-propyl 2-[2-(trimethylsilyl)ethyl]
ester, (1R,2S,3S,4S,9S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439798-61-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3R,4S)-rel- (9CI) (CA
INDEX NAME)

Relative stereochemistry.



RN 439798-62-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
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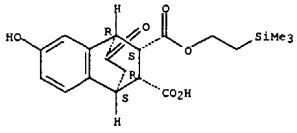
INDEX NAME)

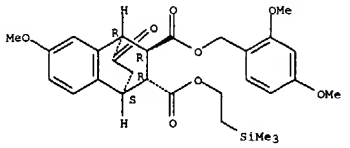
Relative stereochemistry.



RN 439798-69-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-methoxy-
9-oxo-, 3-[(2,4-dimethoxyphenyl)methyl] 2-[2-(trimethylsilyl)ethyl]
ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

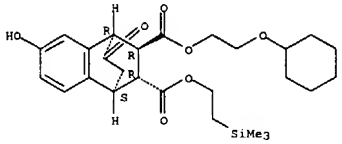
Relative stereochemistry.

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



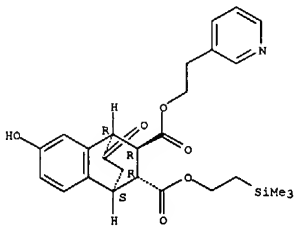
RN 439798-73-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 3-[2-(cyclohexyloxy)ethyl] 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439798-74-0 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 3-[2-(3-pyridinyl)ethyl] 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

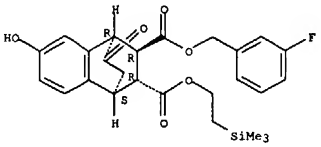


RN 439798-75-1 CAPLUS

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

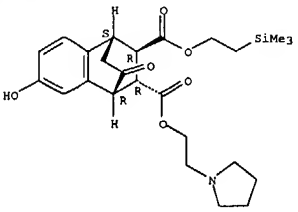
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 3-[(3-fluorophenyl)methyl] 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439798-76-2 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 3-[2-(1-pyrrolidinyl)ethyl] 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

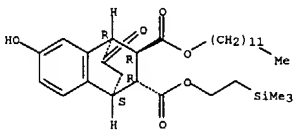
Relative stereochemistry.



RN 439798-77-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 3-dodecyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel-
(9CI) (CA INDEX NAME)

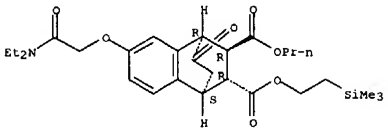
Relative stereochemistry.

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



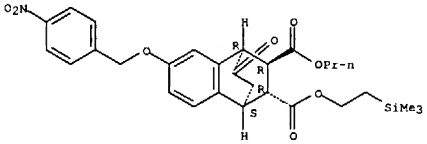
RN 439798-93-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-[2-(diethylamino)-2-
oxoethoxy]-1,2,3,4-tetrahydro-9-oxo-, 3-propyl
2-[2-(trimethylsilyl)ethyl]
ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439798-94-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-[(4-
nitrophenyl)methoxy]-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

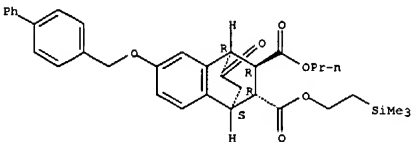
Relative stereochemistry.



RN 439798-95-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-([1,1'-biphenyl]-4-
ylmethoxy)-1,2,3,4-tetrahydro-9-oxo-, 3-propyl
2-[2-(trimethylsilyl)ethyl]
ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

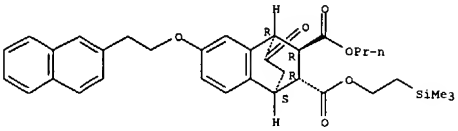
Relative stereochemistry.

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



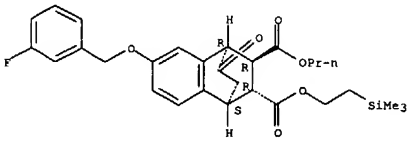
RN 439798-96-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-[2-(2-
naphthalenyl)ethoxy]-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



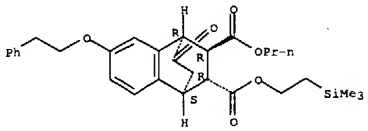
RN 439798-97-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-[(3-fluorophenyl)methoxy]-
1,2,3,4-tetrahydro-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



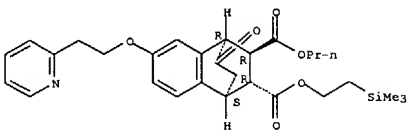
RN 439798-98-8 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-9-oxo-6-(2-
phenylethoxy)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



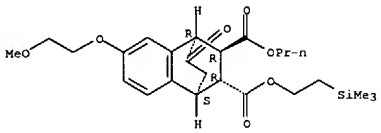
RN 439798-99-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-9-oxo-6-[2-
(2-pyridinyl)ethoxy]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



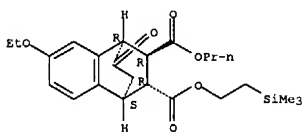
RN 439799-00-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-(2-
methoxyethoxy)-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



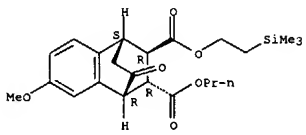
RN 439799-01-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-(cyclopentyloxy)-1,2,3,4-
tetrahydro-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



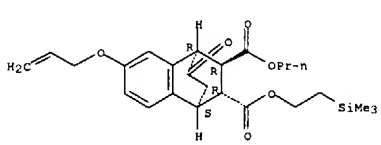
RN 439799-05-0 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-methoxy-
9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel-
(9CI) (CA INDEX NAME)

Relative stereochemistry.



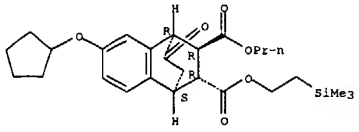
RN 439799-06-1 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-9-oxo-6-(2-
propenyloxy)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



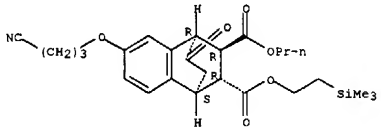
RN 439799-07-2 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-9-oxo-6-(3-
pyridinylmethoxy)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



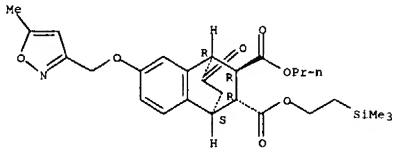
RN 439799-02-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-(3-cyanopropoxy)-1,2,3,4-
tetrahydro-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



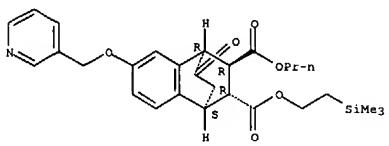
RN 439799-03-8 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-[(5-
methyl-3-isoxazolyl)methoxy]-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl]
ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



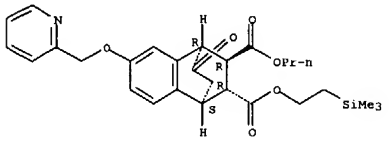
RN 439799-04-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
6-ethoxy-1,2,3,4-tetrahydro-9-
oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel-
(9CI)
(CA INDEX NAME)

Relative stereochemistry.



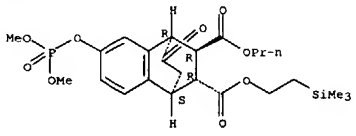
RN 439799-08-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-9-oxo-6-(2-
pyridinylmethoxy)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439799-09-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
6-[(dimethoxyphosphinyl)oxy]-
1,2,3,4-tetrahydro-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

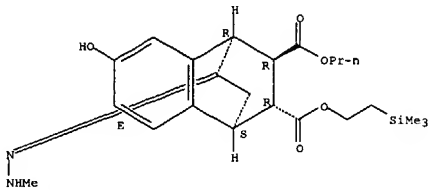
Relative stereochemistry.



RN 439799-11-8 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-(methylhydrazono)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S,9E)-rel- (9CI) (CA INDEX NAME)

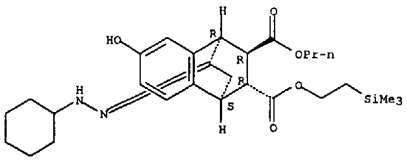
Relative stereochemistry.

Double bond geometry as shown.



RN 439799-12-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-(cyclohexylhydrazono)-1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

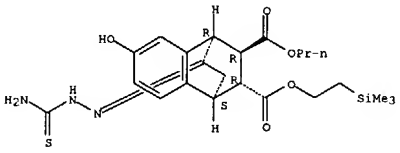
Relative stereochemistry.
Double bond geometry unknown.



RN 439799-13-0 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-[(2-bromophenyl)hydrazono]-1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

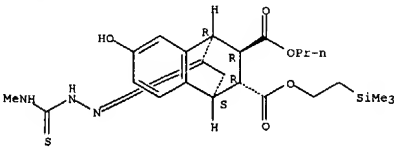
Relative stereochemistry.
Double bond geometry unknown.

Relative stereochemistry.
Double bond geometry unknown.



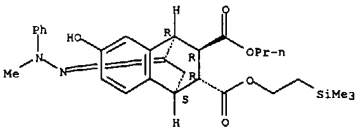
RN 439799-17-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-[[(methylamino)thioxomethyl]hydrazono]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.

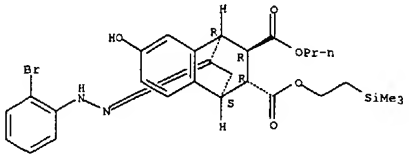


RN 439799-18-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-(methylphenylhydrazono)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.

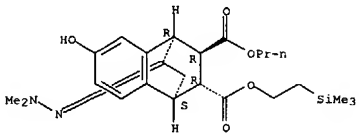


RN 439799-19-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
[illegible]ydro-6-hydroxy-



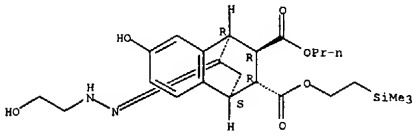
RN 439799-14-1 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-(dimethylhydrazono)-1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



RN 439799-15-2 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-[(2-hydroxyethyl)hydrazono]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

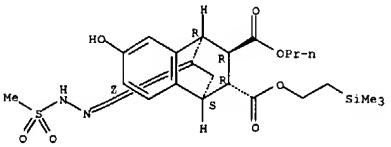
Relative stereochemistry.
Double bond geometry unknown.



RN 439799-16-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-[(aminothioxomethyl)hydrazono]-1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

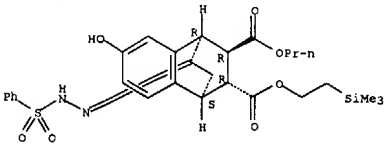
9-[(methylsulfonyl)hydrazono]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9Z)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



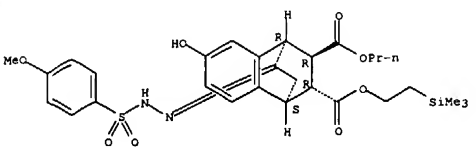
RN 439799-20-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-[(phenylsulfonyl)hydrazono]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



RN 439799-21-0 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-[[(4-methoxyphenyl)sulfonyl]hydrazono]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

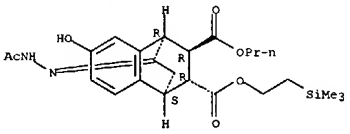
Relative stereochemistry.
Double bond geometry unknown.



L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

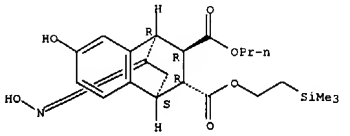
RN 439799-22-1 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-(acetylhydrazono)-1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



RN 439799-23-2 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-(hydroxyimino)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

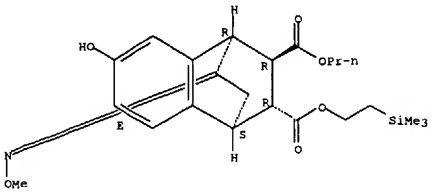
Relative stereochemistry.
Double bond geometry unknown.



RN 439799-24-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-(methoxyimino)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9E)-rel- (9CI) (CA INDEX NAME)

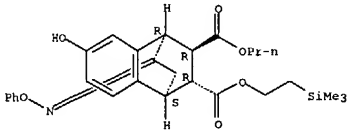
Relative stereochemistry.
Double bond geometry as shown.

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



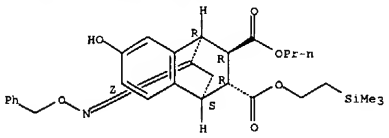
RN 439799-25-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-(phenoxyimino)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



RN 439799-26-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-[(phenylmethoxy)imino]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9Z)-rel- (9CI) (CA INDEX NAME)

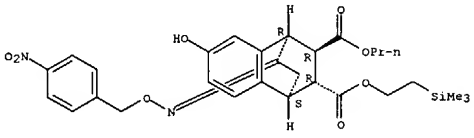
Relative stereochemistry.
Double bond geometry as shown.



RN 439799-27-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-

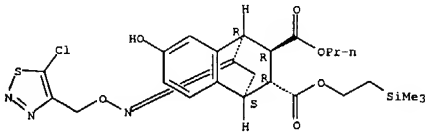
L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
9-[[(4-nitrophenyl)methoxy]imino]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



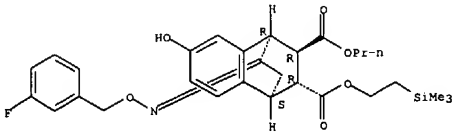
RN 439799-28-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-[[(5-chloro-1,2,3-thiadiazol-4-yl)methoxy]imino]-1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



RN 439799-29-8 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-[[(3-fluorophenyl)methoxy]imino]-1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

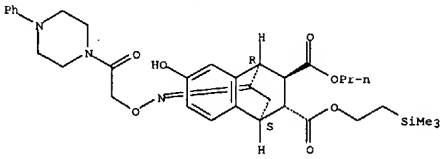
Relative stereochemistry.
Double bond geometry unknown.



RN 439799-30-1 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
[illegible]ydro-6-hydroxy-

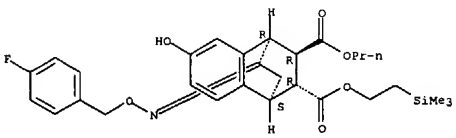
L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
9-[[2-oxo-2-(4-phenyl-1-piperazinyl)ethoxy]imino]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9E)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



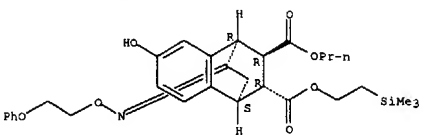
RN 439799-31-2 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-[[(4-fluorophenyl)methoxy]imino]-1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



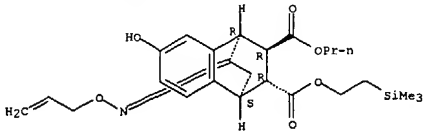
RN 439799-32-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-[(2-phenoxyethoxy)imino]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



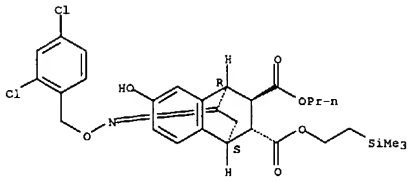
RN 439799-33-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-[(2-propenyloxy)imino]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



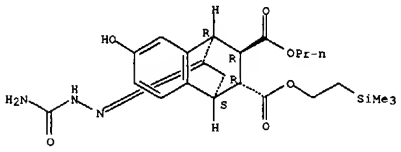
RN 439799-34-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-[[(2,4-
dichlorophenyl)methoxy]imino]-1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl
2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9E)-rel- (9CI) (CA INDEX
NAME)

Relative stereochemistry.
Double bond geometry as shown.



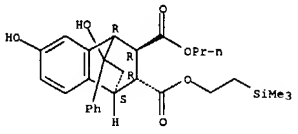
RN 439799-35-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
9-[(aminocarbonyl)hydrazono]-
1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl]
ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



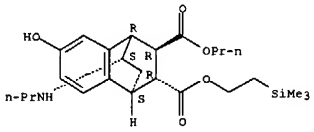
RN 439799-38-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6,9-
dihydroxy-9-phenyl-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



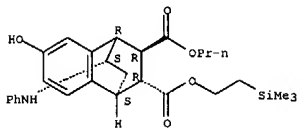
RN 439799-39-0 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-(propylamino)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S,9R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



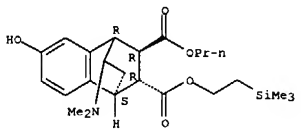
RN 439799-42-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-(phenylamino)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S,9R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



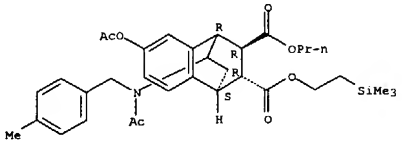
RN 439799-43-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-(dimethylamino)-1,2,3,4-
tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



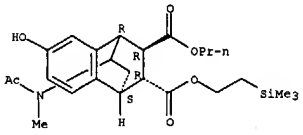
RN 439799-44-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-[acetyl[(4-
methylphenyl)methyl]amino]-6-(acetyloxy)-1,2,3,4-tetrahydro-, 3-propyl
2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX
NAME)

Relative stereochemistry.



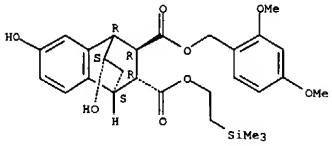
RN 439799-46-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
9-(acetylmethylamino)-1,2,3,4-
tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

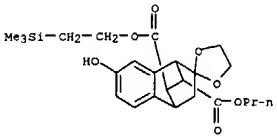


RN 439799-48-1 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6,9-
dihydroxy-, 3-[(2,4-dimethoxyphenyl)methyl] 2-[2-(trimethylsilyl)ethyl]
ester, (1R,2S,3S,4S,9R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

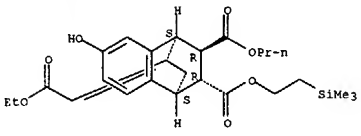


RN 439799-49-2 CAPLUS
CN Spiro[1,3-dioxolane-2,2'(1'H)-[1,4]ethanonaphthalene]-9',10'-dicarboxylic
acid, 3',4'-dihydro-7'-hydroxy-, 10'-propyl 9'-[2-(trimethylsilyl)ethyl]
ester, (1'R,4'S,9'R,10'R)-rel- (9CI) (CA INDEX NAME)



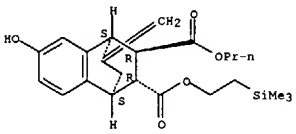
RN 439799-50-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
9-(2-ethoxy-2-oxoethylidene)-
1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl]
ester,
(1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



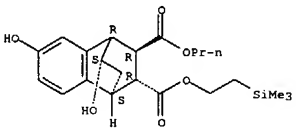
RN 439799-51-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-methylene-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



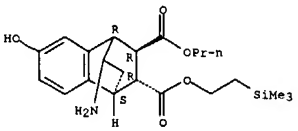
RN 439799-52-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6,9-
dihydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S,9R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



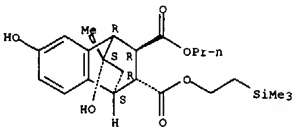
RN 439799-53-8 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
9-amino-1,2,3,4-tetrahydro-6-
hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel-
(9CI) (CA INDEX NAME)

Relative stereochemistry.



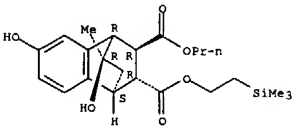
RN 439799-54-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6,9-
dihydroxy-9-methyl-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S,9R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



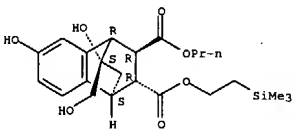
RN 439799-56-1 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6,9-
dihydroxy-9-methyl-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S,9S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



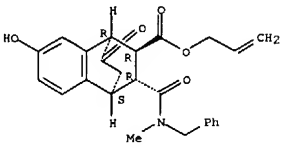
RN 439799-58-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6,9-
dihydroxy-9-(hydroxymethyl)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S,9R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



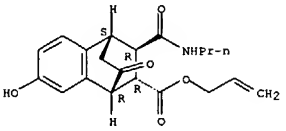
RN 439799-59-4 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-7-hydroxy-3-
[[methyl(phenylmethyl)amino]carbonyl]-10-oxo-, 2-propenyl ester,
(1R,2R,3R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



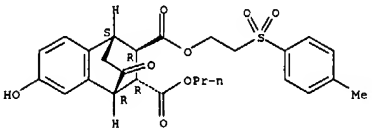
RN 439799-60-7 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 1,2,3,4-tetrahydro-7-hydroxy-10-
oxo-3-[(propylamino)carbonyl]-, 2-propenyl ester, (1R,2R,3R,4S)-rel-
(9CI)
(CA INDEX NAME)

Relative stereochemistry.



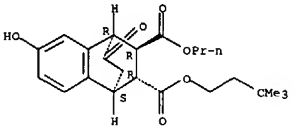
RN 439799-64-1 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 2-[2-[(4-methylphenyl)sulfonyl]ethyl] 3-propyl ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



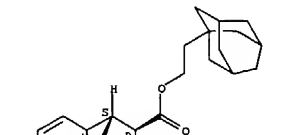
RN 439799-66-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 2-(3,3-dimethylbutyl) 3-propyl ester, (1R,2S,3S,4S)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.



RN 439799-68-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 3-propyl 2-(2-tricyclo[3.3.1.13,7]dec-1-ylethyl) ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

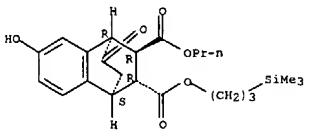
Relative stereochemistry.



RN 439799-69-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-

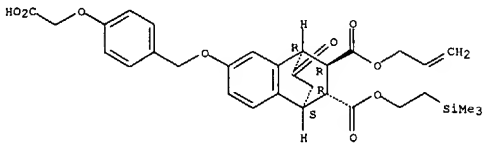
9-oxo-, 3-propyl 2-[3-(trimethylsilyl)propyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



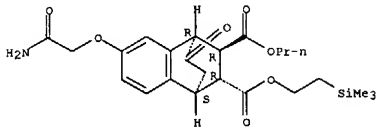
RN 439799-71-0 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-[[4-(carboxymethoxy)phenyl]methoxy]-1,2,3,4-tetrahydro-9-oxo-, 3-(2-propenyl) 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



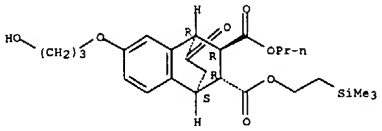
RN 439799-75-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-(2-amino-2-oxoethoxy)-1,2,3,4-tetrahydro-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



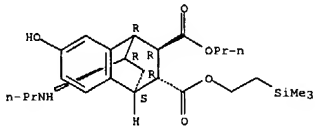
RN 439799-77-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-(3-hydroxypropoxy)-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



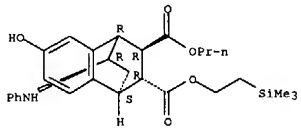
RN 439799-82-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-(propylamino)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



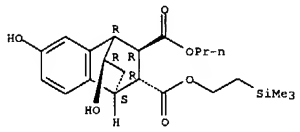
RN 439799-88-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-(phenylamino)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



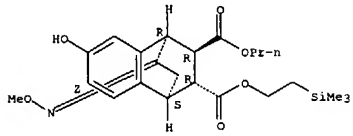
RN 439799-91-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6,9-dihydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



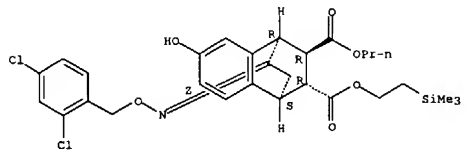
RN 439800-16-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-(methoxyimino)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9Z)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



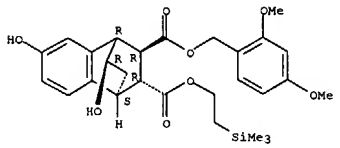
RN 439800-17-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-[[(2,4-dichlorophenyl)methoxy]imino]-1,2,3,4-tetrahydro-6-hydroxy-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9Z)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



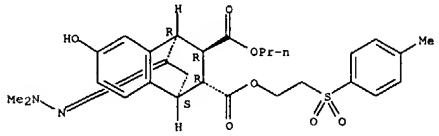
RN 439800-18-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6,9-dihydroxy-, 3-[(2,4-dimethoxyphenyl)methyl] 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



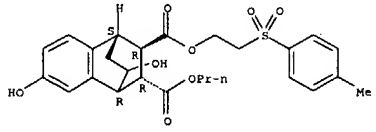
RN 439800-20-1 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 9-(dimethylhydrazono)-1,2,3,4-tetrahydro-6-hydroxy-, 2-[2-[(4-methylphenyl)sulfonyl]ethyl] 3-propyl ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



RN 439800-21-2 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6,9-dihydroxy-, 2-[2-[(4-methylphenyl)sulfonyl]ethyl] 3-propyl ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

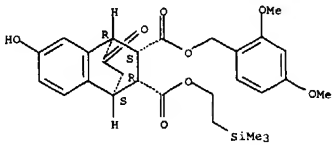
Relative stereochemistry.



RN 439800-22-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 3-[(2,4-dimethoxyphenyl)methyl] 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3R,4S)-rel- (9CI) (CA INDEX NAME)

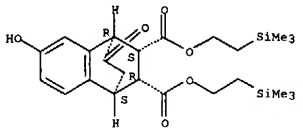
Relative stereochemistry.

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



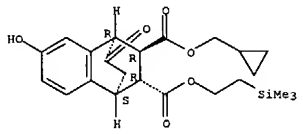
RN 439800-23-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, bis[2-(trimethylsilyl)ethyl] ester, (1R,2S,3R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439800-24-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 3-(cyclopropylmethyl) 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

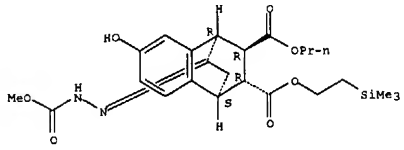
Relative stereochemistry.



RN 439800-26-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-[(methoxycarbonyl)hydrazono]-, 3-propyl 2-[2-(trimethylsilyl)ethyl]
ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

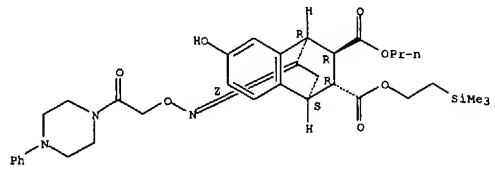
Relative stereochemistry.
Double bond geometry unknown.

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



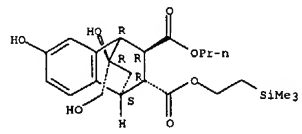
RN 439800-27-8 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-[[2-oxo-2-(4-phenyl-1-piperazinyl)ethoxy]imino]-, 3-propyl
2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9Z)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 439800-28-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6,9-dihydroxy-9-(hydroxymethyl)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S,9S)-rel- (9CI) (CA INDEX NAME)

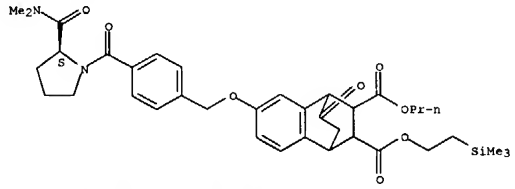
Relative stereochemistry.



RN 439919-19-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-[[4-[[(2S)-2-
[(dimethylamino)carbonyl]-1-pyrrolidinyl]carbonyl]phenyl]methoxy]-1,2,3,4-

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
tetrahydro-9-oxo-, 3-propyl 2-(trimethylsilyl)ethyl ester (9CI) (CA INDEX
NAME)

Absolute stereochemistry.



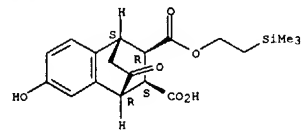
IT **439799-94-7P 439799-96-9P 439800-03-0P**
439800-13-2P 439800-19-8P 439800-29-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of benzobicyclobutanes derived from Diels-Alder
adduct of 2,7-dihydroxynaphthalene and maleic anhydride as inhibitors of TNF-α, IL-8)

RN 439799-94-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3R,4S)-rel-, compd. with
N-cyclohexylcyclohexanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 439798-61-5
CMF C19 H24 O6 Si

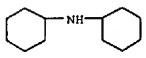
Relative stereochemistry.



CM 2

CRN 101-83-7
CMF C12 H23 N

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

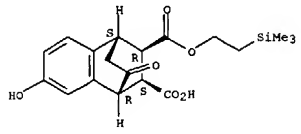


RN 439799-96-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3R,4S)-rel-, compd. with
2-propanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

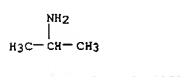
CRN 439798-61-5
CMF C19 H24 O6 Si

Relative stereochemistry.



CM 2

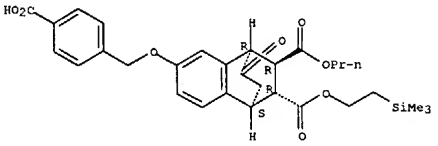
CRN 75-31-0
CMF C3 H9 N



RN 439800-03-0 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
6-[(4-carboxyphenyl)methoxy]-
1,2,3,4-tetrahydro-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

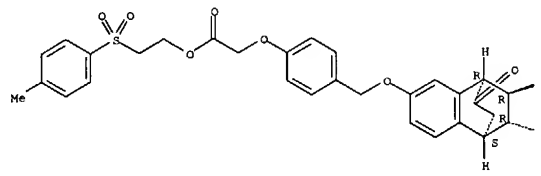
L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



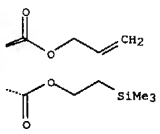
RN 439800-13-2 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-[[4-[2-[2-[(4-methylphenyl)sulfonyl]ethoxy]-2-oxoethoxy]phenyl]methoxy]-9-oxo-, 3-(2-propenyl) 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A

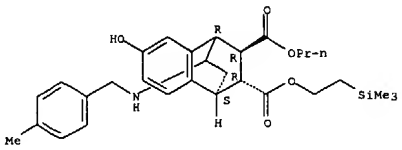


PAGE 1-B



RN 439800-19-8 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-[[[4-methylphenyl)methyl]amino]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

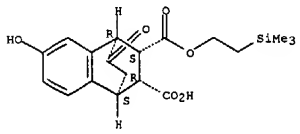


RN 439800-29-0 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 3-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3R,4S)-rel-, compd. with N-cyclohexylcyclohexanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

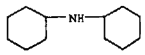
CRN 439798-62-6
CMF C19 H24 O6 Si

Relative stereochemistry.



CM 2

CRN 101-83-7
CMF C12 H23 N



L13 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

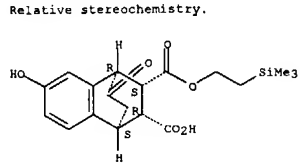
AB A novel series of TNF-α inhibitors based on a benzobicyclooctane scaffold was reported. The compds. displayed good potency in inhibiting TNF-α induced apoptosis and NFκB activation. Addnl., they were selective for TNF-α as they did not inhibit apoptosis induced by soluble Fas ligand. The compds. described here can act as leads for future medicinal chemical efforts and may also be useful tools for elucidating the TNF-α signaling pathway.

ACCESSION NUMBER: 2002:211239 CAPLUS
DOCUMENT NUMBER: 137:288467
TITLE: Benzobicyclooctanes as novel inhibitors of TNF-α signaling
AUTHOR(S): Jackson, Randy W.; Gelinas, Richard; Baughman, Ted A.; Cox, Thomas; Howbert, J. Jeffry; Kucera, Kristin A.; Latham, John A.; Ramsdell, Fred; Singh, Devinder; Darwish, Ihab S.
CORPORATE SOURCE: Department of Chemical Genomics, Celltech R&D, Inc., Bothell, WA, 98021, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2002), 12(7), 1093-1097
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

IT **439798-62-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(att ohbenzobicyclooctanes as novel inhibitors of TNF-α signaling)

RN 439798-62-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 3-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

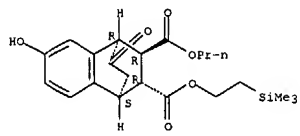


IT **439798-72-8P 439798-75-1P 439798-78-4P 439799-66-3P 439799-69-6P 468086-81-9P**
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(benzobicyclooctanes as novel inhibitors of TNF-α signaling)

RN 439798-72-8 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

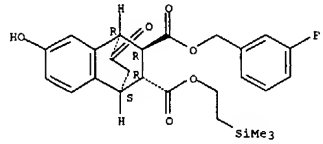
L13 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

Relative stereochemistry.



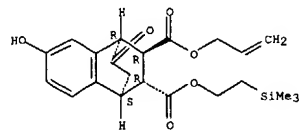
RN 439798-75-1 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 3-[(3-fluorophenyl)methyl] 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



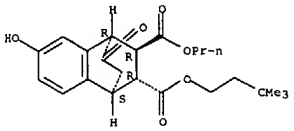
RN 439798-78-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 3-(2-propenyl) 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



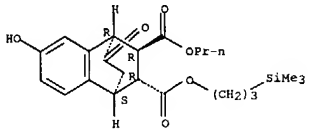
RN 439799-66-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-hydroxy-9-oxo-, 2-(3,3-dimethylbutyl) 3-propyl ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



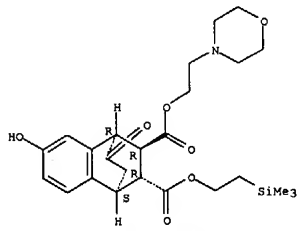
RN 439799-69-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 3-propyl 2-[3-(trimethylsilyl)propyl] ester, (1R,2S,3S,4S)-rel-
(9CI) (CA INDEX NAME)

Relative stereochemistry.

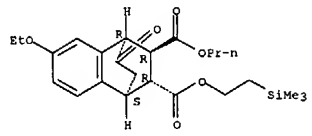


RN 468086-81-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 3-[2-(4-morpholinyl)ethyl] 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

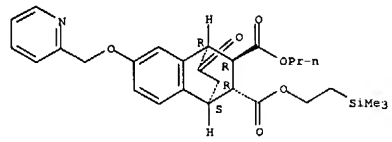


IT **364778-17-6P 439798-99-9P 439799-04-9P**



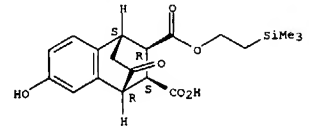
RN 439799-08-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-9-oxo-6-(2-
pyridinylmethoxy)-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT **439798-61-5P 468086-79-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(benzobicyclooctanes as novel inhibitors of TNF-α signaling)
RN 439798-61-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3R,4S)-rel- (9CI) (CA INDEX NAME)

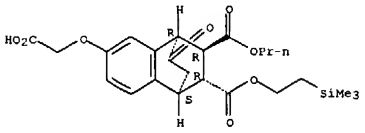
Relative stereochemistry.



RN 468086-79-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-hydroxy-
9-oxo-, 3-propyl ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

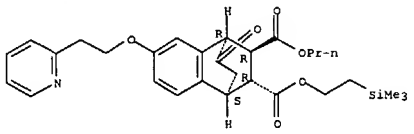
439799-08-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(benzobicyclooctanes as novel inhibitors of TNF-α signaling)
RN 364778-17-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-(carboxymethoxy)-1,2,3,4-tetrahydro-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 439798-99-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-9-oxo-6-[2-
(2-pyridinyl)ethoxy]-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester,
(1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

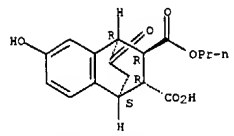
Relative stereochemistry.



RN 439799-04-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
6-ethoxy-1,2,3,4-tetrahydro-9-
oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel-
(9CI)
(CA INDEX NAME)

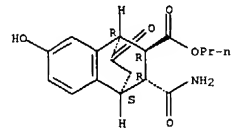
Relative stereochemistry.

Relative stereochemistry.



IT **468086-80-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(benzobicyclooctanes as novel inhibitors of TNF-α signaling)
RN 468086-80-8 CAPLUS
CN 1,4-Ethanonaphthalene-2-carboxylic acid, 3-(aminocarbonyl)-1,2,3,4-tetrahydro-7-hydroxy-10-oxo-, propyl ester, (1R,2R,3R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L13 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

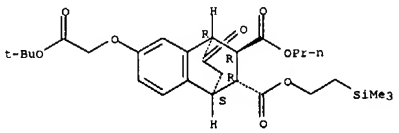
AB A method for the preferred cleavage of t-Bu esters with silica gel in refluxing toluene is reported. Good yields of the corresponding carboxylic acids are obtained, and the reaction is selective for t-Bu esters over t-Bu ethers and (trimethylsilyl)ethyl esters.

ACCESSION NUMBER: 2001:501889 CAPLUS
DOCUMENT NUMBER: 135:288318
TITLE: A mild and selective method for the cleavage of tert-butyl esters
AUTHOR(S): Jackson, R. W.
CORPORATE SOURCE: Department of Chemical Genomics, Celltech R&D, Inc., Bothell, WA, 98021, USA
SOURCE: Tetrahedron Letters (2001), 42(31), 5163-5165
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 135:288318

IT **364778-16-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of carboxylic acids via a mild and selective method for the cleavage of tert-Bu esters)

RN 364778-16-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-[2-(1,1-dimethylethoxy)-2-oxoethoxy]-1,2,3,4-tetrahydro-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

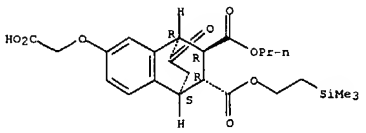


IT **364778-17-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of carboxylic acids via a mild and selective method for the cleavage of tert-Bu esters)

RN 364778-17-6 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 6-(carboxymethoxy)-1,2,3,4-tetrahydro-9-oxo-, 3-propyl 2-[2-(trimethylsilyl)ethyl] ester, (1R,2S,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L13 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

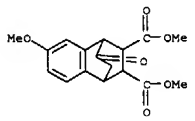
L13 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AB In methoxybenzobicyclo[2.2.2]octen-2-one derivs. a change in the position of the MeO group causes a change in the direction of the transition dipole moment without much alteration in the σ-electron distribution. The effects of the change of the direction of the local chromophore on the optical activity were studied and analyzed by the application of dynamic and static coupling mechanisms. The optical activity is mainly produced by .vector.μ-.vector.m coupling and depends on the direction of the local transition moments.

ACCESSION NUMBER: 1978:169387 CAPLUS
DOCUMENT NUMBER: 88:169387
TITLE: Optical activity in βγ-unsaturated ketones. Part 1. Effect of the direction of the electric transition dipole moment in the aromatic group in benzobicyclo[2.2.2]octen-2-one derivatives
AUTHOR(S): Hagishita, Sanji; Kuriyama, Kaoru
CORPORATE SOURCE: Shionogi Res. Lab., Shionogi and Co. Ltd., Osaka, Japan
SOURCE: Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1972-1999) (1977), (14), 1937-41
CODEN: JCPKBH; ISSN: 0300-9580
DOCUMENT TYPE: Journal
LANGUAGE: English

IT **66289-18-7**
RL: PRP (Properties)
(optical activity of, elec. transition dipole moment in relation to)

RN 66289-18-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1,2,3,4-tetrahydro-6-methoxy-9-oxo-, dimethyl ester, (1α,2β,3α,4α)- (9CI) (CA INDEX NAME)



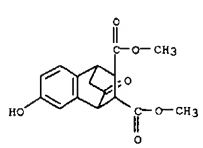
L13 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AB The Diels-Alder reaction of 1,7-, 2,7-, 2,6-, and 1,6-dihydroxynaphthalene and 6-bromo-2-naphthol with maleic anhydride was investigated. All of these 2-naphthol derivs. gave exo and endo adducts except for the bromonaphthol, from which only an endo adduct was obtained. The assignment of exo or endo configuration was based on lactone formation on NaBH4 reduction (possible only from the exo isomer), comparison of NMR spectra, and in some cases dipole moment measurements. The exo-endo ratios of the formed adducts vary over a wide range. Title resolution was accomplished via the cinchonidine salts. The absolute configuration of the resolved compds. was determined by applying the octant rule.

ACCESSION NUMBER: 1970:414534 CAPLUS
DOCUMENT NUMBER: 73:14534
TITLE: Diels-Alder reaction. IX. Reaction of 1,7-, 2,7-, 2,6-, and 1,6-dihydroxynaphthalene and 6-bromo-2-naphthol with maleic anhydride and the resolution of some derivatives of the adducts
AUTHOR(S): Takeda, Kenichi; Hagishita, Sanji; Sugiura, Michi; Kitahonoki, Keizo; Ban, Isoo; Miyazaki, Sadao; Kuriyama, Kaoru
CORPORATE SOURCE: Shionogi Res. Lab., Shionogi and Co. Ltd., Osaka, Japan
SOURCE: Tetrahedron (1970), 26(6), 1435-51
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English

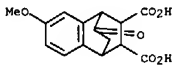
IT **29038-00-4P 29073-46-9P 29073-55-0P**
29073-64-1P 29073-71-0P 29196-80-3P
29206-51-7P 31770-13-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 29038-00-4 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1α,2β,3β,4.alpha.-tetrahydro-6-hydroxy-9-oxo-, dimethyl ester, (±)- (8CI) (CA INDEX NAME)

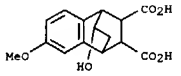


RN 29073-46-9 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1α,2β,3α,4.alpha.-tetrahydro-6-methoxy-9-oxo-, (±)- (8CI) (CA INDEX NAME)

L13 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



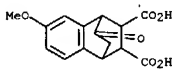
RN 29073-55-0 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1α,2β,3α,4.a
lpha.-tetrahydro-10-hydroxy-6-methoxy-, (±)- (8CI) (CA INDEX NAME)



RN 29073-64-1 CAPLUS
CN Cinchonidine, (1S,2S,3S,4R)-(+)-1,2,3,4-tetrahydro-6-methoxy-9-oxo-1,4-
ethanonaphthalene-2,3-dicarboxylate (1:1) (8CI) (CA INDEX NAME)

CM 1

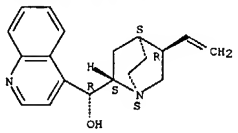
CRN 47131-85-1
CMF C15 H14 O6



CM 2

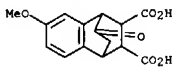
CRN 485-71-2
CMF C19 H22 N2 O

Absolute stereochemistry.



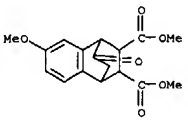
RN 29073-71-0 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1α,2β,3β,4.al
pha.-tetrahydro-6-methoxy-9-oxo-, dimethyl ester, (±)- (8CI) (CA INDEX

L13 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

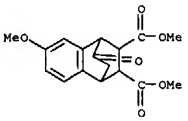


●2 Na

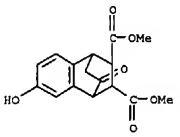
L13 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
NAME)



RN 29196-80-3 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1α,2α,3α,4.
alpha.-tetrahydro-6-methoxy-9-oxo-, dimethyl ester, (±)- (8CI) (CA
INDEX NAME)



RN 29206-51-7 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid, 1α,2α,3α,4.
alpha.-tetrahydro-6-hydroxy-9-oxo-, dimethyl ester, (±)- (8CI) (CA
INDEX NAME)



RN 31770-13-5 CAPLUS
CN 1,4-Ethanonaphthalene-2,3-dicarboxylic acid,
1,2,3,4-tetrahydro-6-methoxy-
9-oxo-, disodium salt, (1S,2S,3S,4R)-(+)- (8CI) (CA INDEX NAME)

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.72	529.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.47	-6.25

FILE 'REGISTRY' ENTERED AT 17:39:23 ON 27 APR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6
DICTIONARY FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6

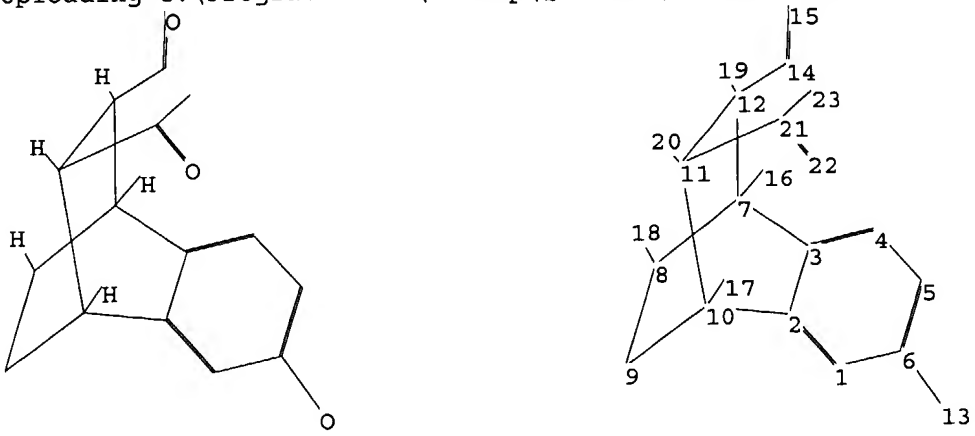
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10015828.str



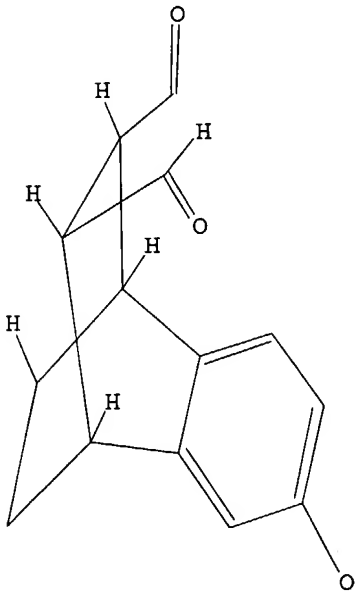
chain nodes :
13 14 15 16 17 18 19 20 21 22 23
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
6-13 7-16 8-18 10-17 11-20 11-21 12-14 12-19 14-15 21-22 21-23
ring bonds :
1-2 1-6 2-3 2-10 3-4 3-7 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :
2-10 3-7 6-13 7-8 7-12 8-9 9-10 10-11 11-12 14-15 21-22
exact bonds :
7-16 8-18 10-17 11-20 11-21 12-14 12-19 21-23
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS

L14 STRUCTURE UPLOADED

=> d query
L14 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l14
SAMPLE SEARCH INITIATED 17:40:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 487 TO ITERATE

100.0% PROCESSED 487 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8417 TO 11063
PROJECTED ANSWERS: 0 TO 0

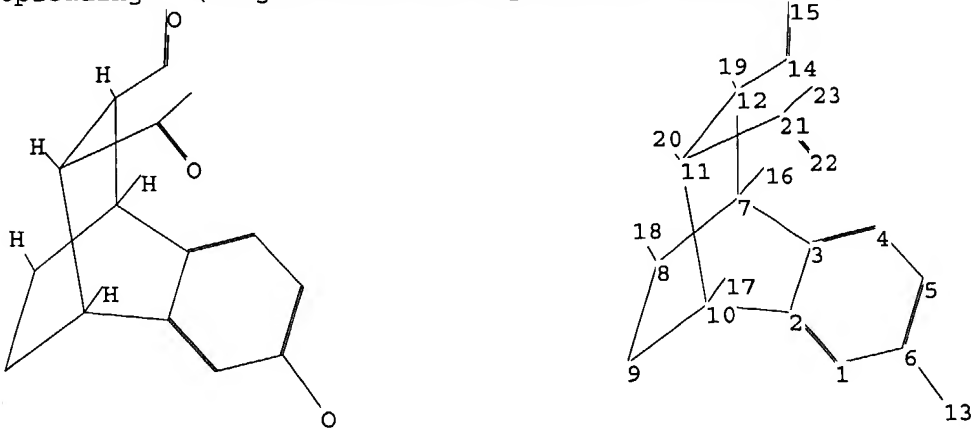
L15 0 SEA SSS SAM L14

=> s l14 full
FULL SEARCH INITIATED 17:40:48 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9873 TO ITERATE

100.0% PROCESSED 9873 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L16 0 SEA SSS FUL L14

=>
Uploading C:\Program Files\Stnexp\Queries\10015828.str

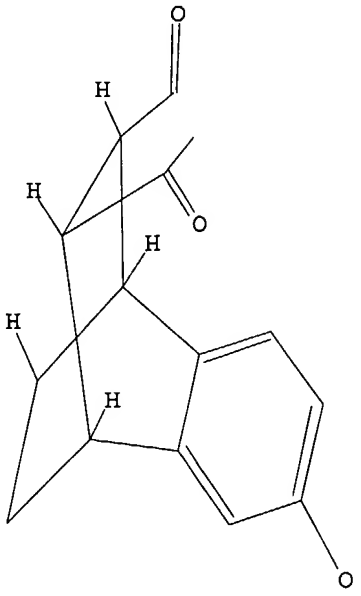


chain nodes :
13 14 15 16 17 18 19 20 21 22 23
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
6-13 7-16 8-18 10-17 11-20 11-21 12-14 12-19 14-15 21-22 21-23
ring bonds :
1-2 1-6 2-3 2-10 3-4 3-7 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
2-10 3-7 6-13 7-8 7-12 8-9 9-10 10-11 11-12 14-15 21-22
exact bonds :
7-16 8-18 10-17 11-20 11-21 12-14 12-19 21-23
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS

L17 STRUCTURE UPLOADED

=> d query
L17 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l17
SAMPLE SEARCH INITIATED 17:44:36 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    120 TO ITERATE

100.0% PROCESSED     120 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          1743 TO     3057
PROJECTED ANSWERS:                0 TO        0

L18            0 SEA SSS SAM L17

=> s l17 full
FULL SEARCH INITIATED 17:44:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   2151 TO ITERATE

100.0% PROCESSED    2151 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

L19            0 SEA SSS FUL L17

=> logoff y
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                        ENTRY      SESSION
FULL ESTIMATED COST                                     314.20      843.88

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                        ENTRY      SESSION
CA SUBSCRIBER PRICE                                       0.00       -6.25
```

STN INTERNATIONAL LOGOFF AT 17:45:36 ON 27 APR 2004